AHT
Electrical heating cable for process temperature maintenance of pipework and vessels in safe or hazardous areas

- Can be cut-to-length.
- Available for 110-120VAC and 220-240VAC.
- Power outputs up to 150W/m.
- Suitable for use in safe, hazardous and corrosive areas.
- Continuous aluminium outer-jacket.
- Full range of controls and accessories available.

DESCRIPTION

POWERHEAT Type AHT is a constant wattage heating cable that can be used for freeze protection or temperature maintenance of process temperatures in pipework and vessels.

It can be cut-to-length at site and can replace mineral insulated (MI) cables for applications where the cut-to-length feature, or field fabricated heating cable is preferred.

AHT is approved for use in non-hazardous and hazardous areas to world wide standards.

The installation of AHT heating cable is quick and simple, and requires few special skills or tools. Termination and power connection components are all provided in convenient kits.

AHT is jacketted in a continuous aluminum extrusion for maximum mechanical strength.

Stranded Copper Conductors.
High Temperature Glass Fibre and Mica Insulation.
Parallel Circuit Connection.
Nichrome Heating Element.
High Temperature Glass Fibre and Mica Insulation.
Aluminium Jacket.
**SPECIFICATION**

**MAXIMUM**
- Continuous: 350°C (644°F)
- Intermittent: 425°C (797°F)

**TEMPERATURE**
- Minimum Operating: -65°C* (-85°F)
- Minimum Installation: -40°C (-40°F)

**POWER SUPPLY:** 12 - 277 VAC

**WEIGHTS & DIMENSIONS:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions (mm)</th>
<th>+/-0.5</th>
<th>Weight kg/100m</th>
<th>Min Bend radius</th>
<th>Gland Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHT</td>
<td>10.7 x 7.7</td>
<td>16.5</td>
<td>25mm</td>
<td>M20</td>
<td></td>
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</tbody>
</table>

**CONSTRUCTION:**
- Heating Element: Nickel Chromium
- Power Conductors: Nickel Plated Copper
- Conductor Insulation: Glass/Mica
- Primary Insulation: Glass/Mica
- Jacket: Aluminium

**POWER CONVERSION FACTORS**

<table>
<thead>
<tr>
<th>115V Heating Tape</th>
<th>230V Heating Tape</th>
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<tbody>
<tr>
<td>120V Multiply output by 1.18</td>
<td>277V Multiply output by 1.45</td>
</tr>
<tr>
<td>240V Multiply output by 1.09</td>
<td>277V Multiply output by 1.39</td>
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**ACCESSORIES**
- Heat Trace supply a complete range of accessories including termination/splice kits, end seals, junction boxes and controls. Such items carry separate approvals from the heating cables. When used in hazardous areas, only use approved components.